

## **IN THE SPECIFICATION**

Please amend the specification as follows:

Insert at page 8 after line 29 the following new paragraph:

---Figure 26 is a system diagram of the active noise and vibration control system of the present invention.---

Insert at page 35 after line 2 the following new paragraphs:

---Referring to Figure 26, an active noise and vibration control system 2600 of the present invention generates an antinoise signal 2601 to attenuate a narrowband noise signal 2602 propagating through a medium 2604. Active noise and vibration control system 2600 performs on-line noninvasive secondary path modeling. Active noise and vibration control system 2600 comprises a reference sensor 2606, a secondary source 2614, an error sensor 2620 and a controller 2630. Reference sensor 2606 operates to receive a reference signal related to a primary noise 2610 and to generate a primary signal X in response. Secondary source 2614 operates to generate antinoise signal 2601 corresponding to a secondary signal Y that attenuates primary noise 2610. Error sensor 2620 is operable to receive a residual signal 2622 that is the superposition of the primary noise 2610 and secondary noise 2601 at the location of error sensor 2620, and to generate an error signal E in response thereto.

Controller 2630 operates to receive primary signal X and error signal E and to generate secondary signal Y while performing on-line noninvasive secondary path modeling. Controller 2630 comprises a filtered-XLMS adaptive filter 2632 and an on-line noninvasive secondary

path modeler 2634. On-line noninvasive modeler 2634 is operable to receive primary signal X, secondary signal Y, and error signal E for the purpose of calculating the secondary path model that provides estimates of filter parameters to filtered-XLMS adaptive filter 2632 for making changes to filter coefficients thereof.---